



STATE OF MISSOURI  
GEOLOGICAL SURVEY PROGRAM

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

RECEIVED  
FORM OGC-3

OCT 18 2012

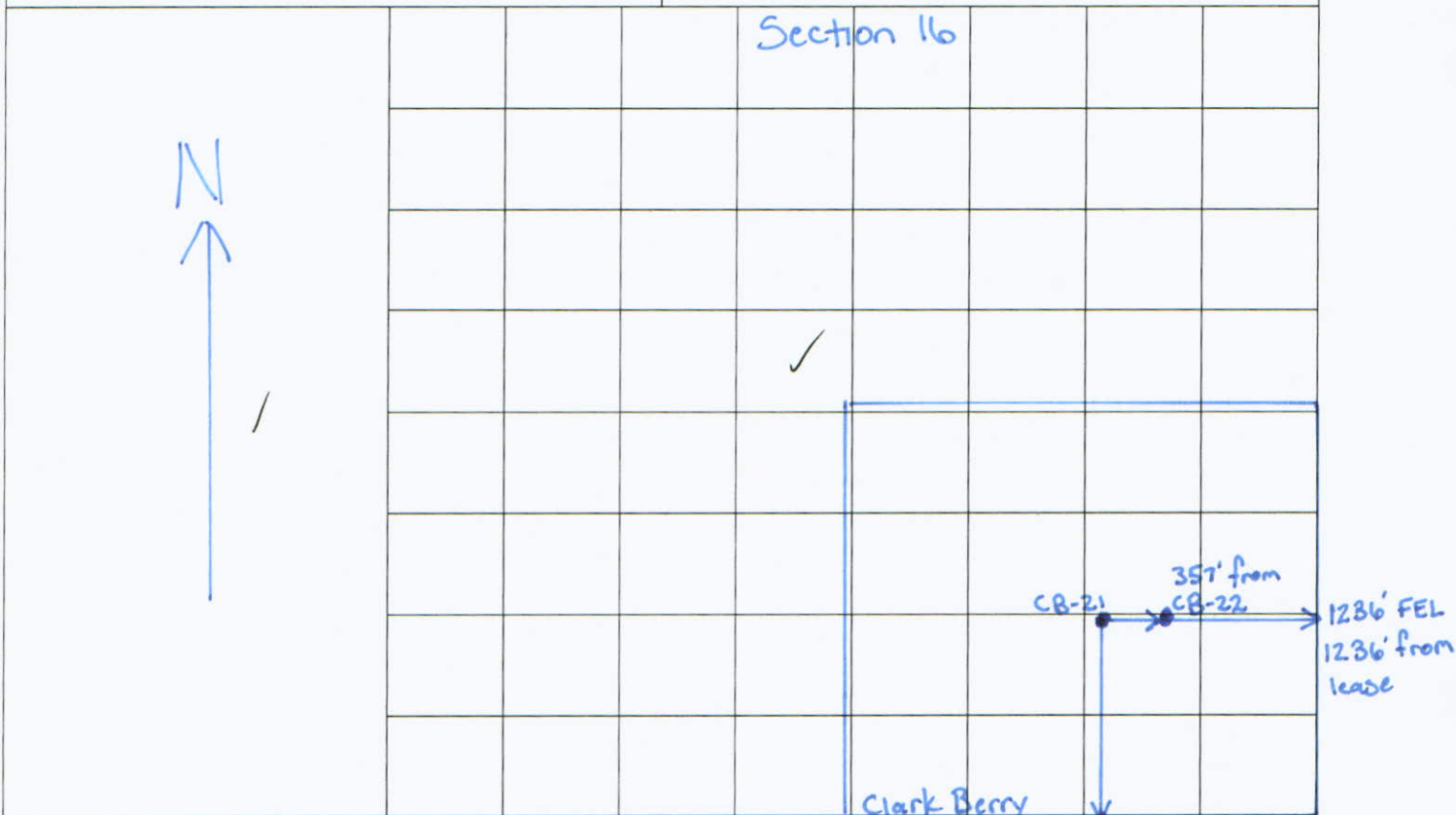
|   |  |  |  |  |                                      |       |             |
|---|--|--|--|--|--------------------------------------|-------|-------------|
| <input checked="" type="checkbox"/> APPLICATION TO DRILL  |  | <input type="checkbox"/> DEEPEN  | <input type="checkbox"/> PLUG BACK   | <input checked="" type="checkbox"/> FOR AN OIL WELL                              | <input type="checkbox"/> OR GAS WELL |       |             |
| NAME OF COMPANY OR OPERATOR<br>Kansas Resource Exploration and Development, LLC   |  |  |  | DATE<br>10/10/2012   |                                      |       |             |
| ADDRESS<br>9393 West 110th St., Suite 500   |  | CITY<br>Overland Park  |  | STATE<br>KS  | ZIP CODE<br>66210                    |       |             |
| <b>DESCRIPTION OF WELL AND LEASE</b>  |  |  |  |  |                                      |       |             |
| NAME OF LEASE<br>Clark-Berry  |  | WELL NUMBER<br>CB-21   |  | ELEVATION (GROUND)<br>1055'  |                                      |       |             |
| WELL LOCATION (GIVE FOOTAGE FROM SECTION LINES)<br>1412' ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South section line 1236' ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West section line  |  |  |  |  |                                      |       |             |
| WELL LOCATION<br>Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West  |  | LATITUDE<br>N38 48' 21.00"   | LONGITUDE<br>W94 34' 18.54"  | COUNTY<br>Cass   |                                      |       |             |
| NEAREST DISTANCE FROM PROPOSED LOCATION TO PROPERTY OR LEASE LINE 1236' FEET  |  |  |  |  |                                      |       |             |
| DISTANCE FROM PROPOSED LOCATION TO NEAREST DRILLING, COMPLETED OR APPLIED - FOR WELL ON THE SAME LEASE 357' FEET  |  |  |  |  |                                      |       |             |
| PROPOSED DEPTH<br>700' <i>dev. 355'</i>   | DRILLING CONTRACTOR, NAME AND ADDRESS<br>Utah Oil, LLC                                     |  | ROTARY OR CABLE TOOLS<br>Rotary  | APPROX. DATE WORK WILL START<br>11/01/2012                                       |                                      |       |             |
| NUMBER OF ACRES IN LEASE<br>370   | NUMBER OF WELLS ON LEASE INCLUDING THIS WELL, COMPLETED IN OR DRILLING TO THIS RESERVOIR 7 |  |  |  |                                      |       |             |
| NUMBER OF ABANDONED WELLS ON LEASE 0  |  |  |  |  |                                      |       |             |
| IF LEASE PURCHASED WITH ONE OR MORE WELLS DRILLED, FROM WHOM PURCHASED?<br>NAME <u>DE Exploration</u><br>ADDRESS <u>4595 Highway K33, Wellsville, KS 66092</u>  |  |  | NO. OF WELLS PRODUCING <u>4</u><br>INJECTION <u>2</u><br>INACTIVE <u>0</u><br>ABANDONED <u>0</u> |  |                                      |       |             |
| STATUS OF BOND  |  | <input type="checkbox"/> SINGLE WELL<br>AMOUNT \$  | <input checked="" type="checkbox"/> BLANKET BOND<br>AMOUNT \$ <u>160,000</u>                     | <input checked="" type="checkbox"/> ON FILE<br><input type="checkbox"/> ATTACHED |                                      |       |             |
| REMARKS: (IF THIS IS AN APPLICATION TO DEEPEN OR PLUG BACK, BRIEFLY DESCRIBE WORK TO BE DONE, GIVING PRESENT PRODUCING/INJECTION ZONE AND EXPECTED NEW INJECTION ZONE; USE BACK OF FORM IF NEEDED)  |  |  |  |  |                                      |       |             |
| <b>PROPOSED CASING PROGRAM</b>  |  |  |  | <b>APPROVED CASING - TO BE FILLED IN BY STATE GEOLOGIST</b>                      |                                      |       |             |
| AMOUNT  | SIZE   | WT/FT  | CEMENT   | AMOUNT   | SIZE                                 | WT/FT | CEMENT      |
| 20'   | 8 5/8"   | 20   | 8 sks  | 20'  | 8 5/8"                               | 20    | Full length |
| 700'  | 4 1/2"   | 11.6   | 125 sks  | 700'   | 4 1/2"                               | 11.6  |             |
| I, the Undersigned, state that I am the <u>C.O.O</u> of the <u>K.R.E.D</u> (Company), and that I am authorized by said company to make this report, and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct, and complete to the best of my knowledge. |  |  |  |  |                                      |       |             |
| SIGNATURE<br><i>BK</i>  |  |  |  | DATE<br>10/15/12   |                                      |       |             |
| PERMIT NUMBER<br>037-21145  |  | <input checked="" type="checkbox"/> DRILLER'S LOG REQUIRED <input checked="" type="checkbox"/> E-LOGS REQUIRED IF RUN                        |  |  |                                      |       |             |
| APPROVED DATE<br>12-5-12  |  | <input checked="" type="checkbox"/> CORE ANALYSIS REQUIRED IF RUN <input checked="" type="checkbox"/> DRILL SYSTEM TEST INFO REQUIRED IF RUN |  |  |                                      |       |             |
| APPROVED BY<br><i>Joseph A. [Signature]</i>   |  | <input type="checkbox"/> SAMPLES REQUIRED <input checked="" type="checkbox"/> SAMPLES NOT REQUIRED   |  |  |                                      |       |             |
|   |  | <input type="checkbox"/> WATER SAMPLES REQUIRED AT   |  |  |                                      |       |             |
| <b>NOTE</b> THIS PERMIT NOT TRANSFERABLE TO ANY OTHER PERSON OR TO ANY OTHER LOCATION.  |  |  |  |  |                                      |       |             |
| APPROVAL OF THIS PERMIT BY THE OIL AND GAS COUNCIL DOES NOT CONSTITUTE ENDORSEMENT OF THE GEOLOGIC MERITS OF THE PROPOSED WELL NOR ENDORSEMENT OF THE QUALIFICATIONS OF THE PERMITTEE   |  |  |  |  |                                      |       |             |
| I, <u>B. Leech</u> of the <u>Utah Oil</u> (Company), confirm that an approved drilling permit has been obtained by the owner of this well. Council approval of this permit will be shown on this form by presence of a permit number and signature of authorized council representative.                                |  |  |  |  |                                      |       |             |
| DRILLER'S SIGNATURE<br><i>B. Leech</i>  |  |  |  | DATE<br>10/16/12   |                                      |       |             |



STATE OF MISSOURI  
MISSOURI DEPARTMENT OF NATURAL RESOURCES  
GEOLOGICAL SURVEY PROGRAM  
**WELL LOCATION PLAT**

FORM OGC-4

|   |                              |
|---|------------------------------|
| OWNER'S NAME<br>Kansas Resource Exploration & Development   |                              |
| LEASE NAME<br>Clark-Berry CB-21   | COUNTY<br>Cass               |
| WELL LOCATION<br>(GIVE FOOTAGE FROM SECTION LINES)<br>1412 ft. from <input type="checkbox"/> North <input checked="" type="checkbox"/> South from section line 1236 ft. from <input checked="" type="checkbox"/> East <input type="checkbox"/> West from section line |                              |
| WELL LOCATION<br>Sec. 16 Township 46 North Range 33 <input type="checkbox"/> East <input checked="" type="checkbox"/> West  |                              |
| LATITUDE<br>N38° 48' 21.00"   | LONGITUDE<br>W94° 34' 18.54" |



REMARKS

Section 16 is larger than 1 square mile. One square equals 682.25 feet, which accounts for the larger dimensions of this section.

**INSTRUCTIONS**

On the above plat, show distance of the proposed well from the two nearest section lines, the nearest lease line, and from the nearest well on the same lease completed in or drilling to the same reservoir. Do not confuse survey lines with lease lines. See rule 10 CSR 50-2.030 for survey requirements. Lease lines must be marked.

This is to certify that I have executed a survey to accurately locate oil and gas wells in accordance with 10 CSR 50-2.030 and that the results are correctly shown on the above plat.

REMIT TWO (2) COPIES TO:  
GEOLOGICAL SURVEY PROGRAM  
PO BOX 250, ROLLA, MO 65402-0250 (573) 368-2143  
ONE (1) COPY WILL BE RETURNED

REGISTERED LAND SURVEYOR

NUMBER





# Missouri Department of Natural Resources

## Geographic Information Systems

### Check Location

Select a coordinate format, enter a pair of coordinates in the boxes below it, and then press the SUBMIT button. Please be patient while your information is retrieved. Your coordinates will be converted to the other formats, the information on the right-hand side of the page will be filled in based on your coordinates, and a map will be generated. NOTE: All coordinates must use the North American Datum of 1983 (NAD83).

☐ Universal Transverse Mercator  
[Zone 15 North]

Easting

363518.7168957392 meters

Northing

4296403.4184836745 meters

☐ Decimal Degrees

Latitude

38.8058333333333 °

Longitude

-94.5718166666666 °

☒ Degrees, Minutes and Seconds

Latitude Degrees

38 °

Latitude Minutes

48 '

Latitude Seconds

21.0 "

Longitude Degrees

-94 °

Longitude Minutes

34 '

Longitude Seconds

18.54 "

#### Metadata

- Interstate Highways
- US Highways
- State Highways
- Railroad
- Major and Minor Roads
- County Boundary
- Lakes
- Major Rivers
- Rivers and Streams
- Missouri River
- Mississippi River
- Municipal

**UTM Zone 15N [Easting, Northing]** [ 363518.7, 4296403.4 ] meters

**Decimal Degrees [Lat, Lon]** [ 38.805833°, -94.571817° ]

**Deg, Min, Sec [Lat, Lon]** [ 38° 48' 21.0", -94° 34' 18.5" ]

**County Name** Cass

**County FIPS Code** 037

**Legal Description** Section 16 T46N R33W

**Municipality** NO VALUE

**House District** 123

**Senate District** 31

**Congressional District** 5

**MoDNR Region** Kansas City Regional Office

**USGS 1:24,000 Quadrangle** Belton [38094-G5]

**8 Digit Watershed** 10290108 [South Grand]

**10 Digit Watershed** 1029010801 [Headwaters South Grand River]

**12 Digit Watershed** 102901080101 [East Creek]

**Special Well Drilling Area** Area 2

**Ecological Drainage Unit** Central Plains/Osage/South Grand

**Level III Ecoregion** Central Irregular Plains

**Query Time** 4.859 s

Rows with red text indicate that the input location is too close to a boundary to produce reliable results.

NOTE: A result of 'NO VALUE' is usually an indication that no data was found for the location. For example, not every point in Missouri will lie within a municipal boundary, so some will result in a 'NO VALUE'. If 'County Name' results in 'NO VALUE', your point probably lies outside the state.

Well ID: #005390

Elev. 1069'

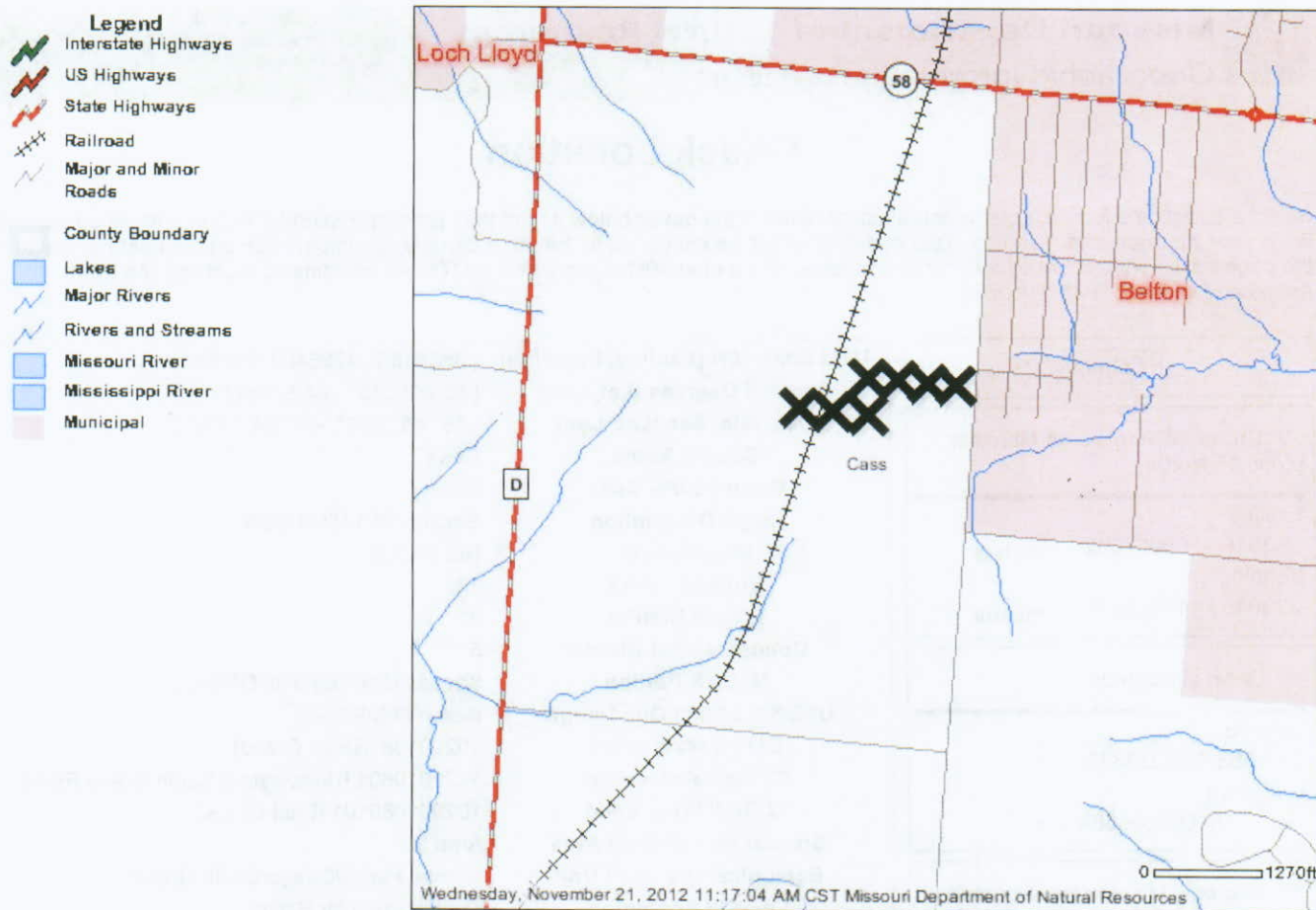
$\frac{IP}{M}$ : 229' elev.  $IP_c - M$ : 345'

Well ID: #026255

$IP_c$ : 535' elev.

1055-535-345

$\Rightarrow \frac{IP}{M} \sim 175'$  elev.



View Scale 1:24,000

DISCLAIMER: Although this map has been compiled by the Missouri Department of Natural Resources, no warranty, expressed or implied, is made by the department as to the data and related materials. The act of distribution shall not constitute any such warranty, and no responsibility is assumed by the department in the use of these data or related materials.



Missouri  
Department of  
Natural Resources

P.O. Box 176, Jefferson City, MO 65102  
800-361-4827 / 573-751-3443  
E-mail: [contact@dnr.mo.gov](mailto:contact@dnr.mo.gov)